GRADE CATEGORY	GRADE Definition and guidance	iGRADE CATEGORY	iGRADE Definitions and guidance	iGRADE ISSUES
Limitations in design	Risk of Bias If you think any limitations were negligible choose no If you think there were serious limitations choose serious If you think there were very serious limitations choose very serious	Limitations in design	Use GRADE limitations in design rating for DIRECT links to assess the MTC estimates these links clearly contributed to. No: GRADE limitations in design category recorded as 'no' for all links identified as informing the MTC estimate. Serious: GRADE limitations in design category recorded as serious for one or more links identified as informing the MTC estimate, but none identified as very serious. Very serious: GRADE limitations in design category recorded as very serious for one or more links identified as informing the MTC estimate.	Qualitative assessment of risk of bias difficult for indirect evidence. When direct and indirect evidence are available, this assessment may be subjective.
Inconsistency	 Unexplained heterogeneity of results If you think any inconsistency was negligible choose no If you think there was serious inconsistency choose serious If you think there was very serious inconsistency choose very serious 	Sensitivity of results	Judgement based on the impact of sensitivity analysis on the MTC network and thus estimates (e.g. removing each trial where there are two or more informing a link, or sensitivity to alternative priors in random effects analysis) No: No or small change in estimate and intervals Serious: Some notable change in estimate and intervals Very serious: Large change in estimate and intervals	Does not address unexplained heterogeneity per se
Indirectness	 Indirect comparison If you think the evidence is direct choose no 	Indirectness/Inconsistency Within GRADE the term inconsistency is used to refer to unexplained heterogeneity. Within MTC inconsistency has	Define the type of data available for each MTC comparison as follows: 1. Direct or indirect only: No heterogeneity 2. Direct, indirect or mixed (direct and indirect): heterogeneity	Assessment of heterogeneity based in DIRECT links is challenging

	If you have serious doubts about directness choose serious If you have very serious doubts about directness choose very serious	meaning specific to agreement between direct and indirect data. Furthermore, in GRADE the presence of indirectness is taken as a reason to downgrade evidence – however in the context of an MTC where indirect data is expected and ideally adds value such an approach does not make sense. Thus we merged these categories resulting in joint assessment of unexplained heterogeneity and/or assessment of inconsistency where possible.	3. Mixed: No heterogeneity: statistical inconsistencies 4. Mixed: No heterogeneity; No statistical inconsistencies No: 1 and 4 Serious: 2, 3 Very serious: n/a	Cannot always assess for inconsistencies
Imprecision	 CIs around estimates of treatment effect If you think the results were precise choose no If there was serious imprecision choose serious If there was very serious imprecision choose very serious 	Imprecision	Judged by the size of CrI around ORs. As ORs were used to analyse data with relative high number of events a more conservative interval width used than would have been employed were data presented using risk ratios. No: uncertainty judged to be reasonable (upper interval < 2.5) Serious: judged to be inadequate (upper interval > 2.5<5) Very serious: (upper interval > 5)	
Publication bias	 If you think there is no evidence of publication bias choose <u>unlikely</u> If there is high probability of publication bias choose <u>likely</u> If there is very high probability of publication bias choose 	Publication bias	Use GRADE limitations in design rating for DIRECT links to assess the MTC estimates these links clearly contributed to. Unlikely: Grade publication bias category recorded as unlikely for links identified as informing the MTC estimate. Likely: Grade publication bias category recorded as likely for one or more links identified as informing the MTC estimate and	Qualitative assessment of publication bias difficult for indirect evidence Again, in the presence of both direct and indirect evidence there is the need to consider potential publication

ESM Table 2 Quality assessments of mixed treatment comparison estimates using iGRADE: comparison with the GRADE tool.